

UCF Honors 27 Sandia Organizations

Twenty-seven Sandia Laboratories organizations and employees of the Sandia Laboratory Federal Credit Union were honored last night at the annual Awards Banquet of the Albuquerque United Community Fund. They were awarded silver plaques by the UCF for achieving at least 90 percent participation and 75 percent Fair Share (one hour's pay per month) pledging in the recent Employees Contribution Plan drive.

Sandia employees pledged more than \$291,000 to the ECP last fall during the drive. Average gift of the contributing employees was \$51.

The money is allocated to the United Community Fund (82.4 percent) and eight national health and welfare agencies.

The organizations which received plaques include 1500, 1510, 9320, 1600, 1610, 1630, 1640, 1650, 1740, 1830, 2300, 2320, 2350, 2400, 2440, 2450, 3110, 3130, 3350, 3510, 4110, 4120, 4310, 4380, 5270, 6010, and 7410.

Howard Shelton Named to ASEE Post



Howard Shelton, supervisor of University Relations Division 3134, has been named to the Continuing Engineering Studies Division of the American Society for Engineering Education.

Purpose of the CES Division is to foster development of courses, seminars, conferences, institutes, workshops and related educational offerings for practicing engineers, thus enhancing their competence within the profession.

Howard has been at Sandia since 1952 and supervisor of 3134 since 1964. He previously was a section supervisor with the Quality Assurance Organization.

A graduate of Southwest Texas State College at San Marcos where he holds a BS degree in math and physics and a Master's in education, Howard has also taken graduate work at the University of Texas.

He is also a director and a past president of the local chapter of the American Society for Training and Development.



SANDIA LAB NEWS

VOL. 21, NO. 2, JANUARY 17, 1969



BEFORE FINAL MEETING, members of the Albuquerque Public Schools Finance Study Group posed for this photograph (l to r), State Rep. Henry Willis (3130), Mrs. Sheldon Dike and Mrs. Leonard Hartman. Standing (l to r) State Rep. James Caudell (7623), Joe Zanetti (3415), and Stanley Logan (1514). Robert Mondragon, Francis Wall, State Rep. Thomas Hoover (1222),

Sandians Are Civic Minded Citizens on Public School Finance Study Group

When the New Mexico State Legislature convenes in Santa Fe next week, bills presented for consideration will include several prepared by the Albuquerque Public Schools Finance Study Group.

This group met 30 times during the past eight months before its final meeting, a luncheon, Jan. 9 at the Coronado Club. The group included five Sandians, one of whom — Joe Zanetti (3415) — served as secretary.

The group was created to study the financial problems of the Albuquerque Public Schools and to come up with rec-

ommendations aimed at their solution.

The Board of Education appointed four members of the State Legislature to the study group from a list submitted by the County Chairman of each political party. These appointees included Rep. Thomas Hoover (1222) and Rep. James Caudell (7623). Three public members were also appointed by the Board of Education, including Henry Willis (3130), who served as chairman. Stanley Logan (1514) was one of two public members appointed by the Bernalillo County Commission. The Albuquerque City Commission also ap-

pointed two public members.

During its meetings the group consulted with the administration of the Albuquerque Public Schools and with numerous professional and civic groups. Two public meetings were also held.

Recommendations submitted to the school administration call for a study of the feasibility of a 12-month school year, a study of a system of merit pay for teachers (rather than the present method based on experience and level of education), and consideration of addition to the school administration of a Systems and Procedures Group and an Internal Operations Audit Group.

Legislation recommended proposes the election of boards of education and establishment of a Citizens School Evaluation Committee which would review and investigate public school problems. The study group endorses a bill of several provisions. One provision proposes the appointment of county tax assessors who would qualify for this office by examination; a second provision would require an affidavit stipulating actual sales price in any real estate transfer. The latter relates to schools in that school revenues are derived in part from property taxes. Also endorsed, with qualifications, is the Legislative School Study Committee bill for a foundation program for public education in New Mexico.

The study group asks that a proposed investigation into the purchase of textbooks for the public schools of New Mexico be referred to the Legislative School Study Commission.

In a letter to the appointing agencies, Chairman Willis said, "The Study Group has found its task very challenging, owing both to the urgency and the complexity of the problems confronting our public schools. It has also found its work rewarding, for it was met at each turn with support and cooperation from all those on whom it called.

"We do not flatter ourselves that we have arrived at a package of neat solutions to the problems of the Albuquerque Public Schools . . . we are convinced that what we have concluded and what we have proposed go to the center of the major areas of concern."

Out-of-Hours Enrollment Underway

Sandians Long on Self Improvement

Self improvement through study is one of the dominant goals of Sandia Laboratories employees.

Statistics compiled by Employee Training and Education Division 3132 show that 43 percent of our technical staff members were enrolled in an out-of-hours course last year. These courses (some 113 in all) ranged all the way from "Human Relations in Industry" to "Tensor Analysis with Application in Continuum Mechanics."

Other figures show that 36 percent of technical supervisors were enrolled in the out-of-hours program last year.

Overall, 27 percent of all Sandia employees were enrolled in the program. This means one out of every four Sandia employees is seeking to improve his knowledge or skills by further study on his own time, a remarkable statistic.

Sandia's out-of-hours program is unique in a couple of ways. First is the outstanding quality of instructors in the program. Of 97 instructors (all Sandia employees) currently teaching, 22 have PhD degrees. Of the remainder, many have Master's degrees and possess special qualifications by virtue of their experience. Most of the instructors also have had some teaching experience.

The second way in which Sandia's education program gains distinction derives from the continuing effort to improve course content, the scope of the program and the techniques of teaching.

A basic premise of the program is that it serves the needs of the Laboratories. Since Sandia is concerned with the limits of technology, it is essential that the courses reflect the latest advances and developments in all scientific areas, and course titles and instructors are thus continually changing.

Scope of the program has expanded through the years to include more than advanced technical subjects. Basic English, conversational Spanish and many courses in human relations are part of the program along with clerical, shop and administrative courses.

As examples, several new courses have been added to the program for the coming semester.

Two of these are "Management Concepts," which will be instructed by Dick Andes (3131), and "Developing Creative Behavior," to be taught by Mary Harrison (3131). The first is a course in supervisor/employee relations, and the second will

stress developing and realizing of individual potential.

In the scientific field, Allen Robnett (2611) will instruct a course called "Logic and the Scientific Method" which will explore the use of inductive logic to solve scientific problems.

Sandia instructors have available audio-visual aids, closed circuit television, and other instructional devices. The Laboratories was a pioneer in the use of programmed self instruction (PSI) courses, now a widely accepted teaching technique.

How come Sandians are such eager beavers? Because of the continuing challenge of changing technology and new laboratory assignments, and because most of the part time students continue to be intellectually curious long after their formal schooling is ended, and learning something new is stimulating. In short, it's satisfying.

Enrollment for the spring semester of 1969 is underway now. Enrollment cards have been distributed along with a schedule of classes. Additional information is available from Division 3132.

Editorial Comment

Open Letter to a Sandia Driver

(Ed. Note — While the LAB NEWS ordinarily does not print letters from its readers, the following item is particularly pertinent. We have just concluded another record-breaking year for the number of persons killed, maimed and mangled on our nation's streets and highways. Perhaps, as we enter a new year, it would be wise for each of us to examine our driving habits and then resolve never more to take those "little" risks in our rush to get wherever we go when we get behind the wheel. Those "little" risks often become nasty accidents. During the past few weeks at least one Sandian and the son of another have died as a result of auto accidents on the city's streets.)

I watched your driving the other night as we left work. You were in my lane, immediately in front of me as we started down Main St. where you managed to remain until we passed the fire station, and then your impatience got the best of you and you moved into the left lane. There you stayed until we passed the Base school when you jumped back into the right lane. This maneuver placed you two cars in front of me.

By the time we reached Central, you were in the left lane where you remained until we passed the Armory. Then by a series of at least three lane hops, you managed to get back into the right lane, just in front of me as we crossed Lomas.

You preceded me in turning off Wyoming onto the freeway and between Wyoming and Carlisle, where you turned off, you were one car length in front of me and you got there about two seconds ahead of me.

To be sure, you didn't have an accident, but you'll never know how your lane-hopping affected others:

You caused five cars to put their brakes on suddenly and two to slide their tires. At least four of your lane changes were made without a signal.

Aren't you proud? You saved two seconds! And about 50 feet on your homeward journey.

— Another Sandia Driver



AN EXHIBIT of serigraphs (made from photographic images and printed in arbitrary colors by the silk screen process) are currently on display at Jonson Gallery at UNM. Artist is Joe Laval, Sandia technical photographer in Photographic Services Division 3455. The exhibit will be on display through Jan. 31. Gallery hours are from 3 to 6 p.m. daily.

Take Note

Frank Halasz (3414) has been elected vice president of the Rocky Mountain Chapter of the National Classification Management Society. The election was held at a meeting Dec. 11 when outgoing president of the society, Jim Marsh (3414), was presented a gift of Nambeware in appreciation of his services. John Shunny (3432) was chairman of the nominating committee. New officers of the society will be installed during the February meeting.

A non-sectarian religious study and discussion group is meeting Thursday noons at the Coronado Club, Rm. B-10. Speaker for the first session was Pastor Carlton Allen of the First Presbyterian Church. All Sandians are invited to participate. For additional information, call Frank Tuffs (4541), tel. 264-2276.

Russ Freyermuth (4371) has been promoted to Colonel in the U. S. Air Force

Reserve. Russ has been a reserve officer since release from active duty at the end of World War II. He is attached to the 2273rd Selective Service Squadron. A Sandia employee since 1953, Russ also has a mobilization assignment with the State Selective Service System and would be called for duty in this assignment in the event of a national emergency.

Warren Curry, supervisor of Experimental Aerodynamics Division 9322, has been named a member of the Technical Committee on Atmospheric Flight Mechanics of the American Institute of Aeronautics and Astronautics.

Function of the committee is to organize and conduct conferences and meetings relating to technical activities of the AIAA, monitor AIAA publications for quality and adequacy of technical content, provide counsel to the editorial staffs, and review technical papers proposed for publication.

Breathalyzer Tests

'Implied Consent' Law Pending; Drunk on Highway is the Target

Among proposed laws to be introduced in the current legislative session is one aimed at reducing accidents caused by drunks operating, or trying to operate, motor vehicles on the public highways.

Known as the "Implied Consent" bill the proposed legislation provides that "... any person licensed to operate a motor vehicle on the public highways has consented, by virtue of his driver's license, to an alcohol test if arrested for driving or being in control of a vehicle while under the influence of intoxicating liquor. Should he refuse to take the test, his driving privilege can be withdrawn by the Department of Motor Vehicles ..."

Because of the implications of the proposed law, and because it seems prudent to eliminate or reduce the very real threat to life and limb by the drinking driver, LAB NEWS suggests that each Sandian read and evaluate the following information and then relay to his legislative representative his support or opposition to the bill. Information listed here comes from the report of the Study Committee of the New Mexico Traffic Safety Commission. The Commission is proposing the legislation.

Essentially, the law would operate as follows:

If a driver is stopped for an apparent traffic violation, and if the officer subsequently arrests the driver for operating a vehicle while under the influence of intoxicating liquor, then a chemical test for intoxication would be given to the driver (the most frequently used testing device is the "Breathalyzer").

If a driver arrested for intoxication refuses to take the chemical test, his license may be revoked by the Department of Motor Vehicles. The driver, however, may appeal the revocation.

The law would establish a presumption of intoxication when the amount of alcohol in the blood stream reaches a level of .08 percent. If the test shows the driver has an alcohol concentration of .08 percent or above, the results could then be introduced as evidence in court.

According to the Commission's report, a level of .15 or more percent causes definite impairment, and an alcohol concentration of as little as .05 percent will impair the driving ability of some individuals. The probability of a traffic accident increases rapidly when the alcohol concentration passes the .08 percent level.

Proponents of the legislation claim that the social drinker—the person who has a cocktail or wine before or during dinner — would not be affected by the law since the body eliminates approximately

one ounce of standard proof (180 proof) alcohol per hour. The drinker who would be affected is the one who quickly belts down several drinks within an hour and then proceeds to jeopardize his and others' lives by driving. The report states that alcohol is the leading factor in most fatal highway accidents.

Proponents also claim the law has two additional positive features: one, it can immediately clear from suspicion a person who suffers from a pathological condition, such as diabetes, which can produce symptoms similar to those of intoxication; and two, the law would immediately clear the innocent while providing more certain detection of the guilty.

Similar legislation has been enacted in at least 28 states to date. Colorado passed a similar law in 1967.

Although opponents of the law have characterized the "implied consent" provision as self-incriminatory and therefore unconstitutional, the U.S. Supreme Court has ruled as recently as 1966 that a person's breath, blood and any other physical attribute can be examined without infringing on constitutional freedoms.

An added impetus to the proposed legislation is that the implied consent law is also one of the primary standards of the new Federal Highway Safety Program, under which funds are provided on a matching basis (64 percent federal and 36 percent state) for use in local programs to improve highway safety.

Events Calendar

Jan. 16-19, 23-26—"Pool's Paradise" by Philip King. Old Town Studio, 1208 Rio Grande NW. For reservations tel. 242-4602.

Jan. 19—Colonial Art of Mexico Exhibit, UNM Art Museum, open noon to 5 p.m.

Jan. 21—National Orchestra of Mexico City, UNM Popejoy Hall. For tickets tel. 277-3121.

Jan. 23—Animal dance at San Ildefonso Pueblo.

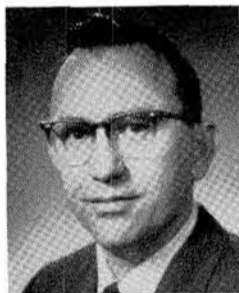
Jan. 25—Hike to Domingo Baca canyon, western Sandias. N.M. Mountain Club, leader Bill Tryon, tel. 299-6895.

Jan. 25—Jaycees' Annual Invitational Track Meet, Tingley Coliseum.

Jan. 25-26—Snowmobile Races, Chama.

Jan. 31-Feb. 2—YWCA charter bus trip to Juarez. For information, tel. 247-8841.

Supervisory Appointment



ROBERT V. S. ELDRIDGE to Assistant to the Vice President 5000, effective Jan. 1.

Bob joined Sandia in 1963 as an analyst in Administrative Systems 4112 where he served until becoming Administrative Assistant to the Director 2600 in 1966.

He graduated with a BS degree from Regis College at Denver in 1959 and earned a MBA degree from the University of Denver in 1961.

Bob served with the Colorado and New Mexico Air National Guards for seven years, including six months active duty. In the Air Guard he was a management analysis officer and left the service with the rank of First Lieutenant.

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JANUARY 17, 1969

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SANDIA LABORATORIES
ALBUQUERQUE, NEW MEXICO
LIVERMORE, CALIFORNIA

Operated for the United States Atomic Energy Commission by Sandia Corporation

Editorial Offices, Albuquerque, New Mexico
Employee Publications, Rm. 112, Bldg. 800,
Tel: 264-1053

Editor: John Shunny
Staff: Cherry Lou Burns, Don Wolfe,
Don Graham, Bill Laskar,
Norma Taylor

Public Information, Livermore, California
Rm. 138, Bldg. 912, Tel: 447-2387

William A. Jamieson, supervisor
Staff: Matthew J. Connors, Lorena Schneider

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Speakers

L. J. Vortman (9111), "Close-in Airblast from Buried Row Charges," Highway Research Board, Committee MC-E1 Nuclear Principles and Applications, Jan. 13-15, Washington, D.C.

A. C. Bustamante (9513) and G. W. Stone (on leave), "The Autorotation Characteristics of Various Shapes in Subsonic and Hypersonic Flows;" D. F. McVey (9328), R. A. Rindal and T. J. Dahm (both of Aerotherm), "Test Plan Optimization for Reentry Vehicle Nose Tip Evaluation," AIAA 7th Aerospace Sciences Meeting, Jan. 20-22, New York City.

R. Y. Lee (1712), "On Uniform Simplification of Linear Differential Equation in a Full Neighborhood on a Turning Point"; H. H. Wicke and J. M. Worrell, Jr. (both 1721), "Concerning Certain Hyperspaces," 75th Annual Meeting of the American Mathematical Society, Jan. 23-27, New Orleans.

H. L. Rarrick (3312), "Weapon Effect Tests — Planned Emergencies"; H. D. Christiansen (3312), "Health Physics Operations at the Sandia Applied Radiation Facility," Health Physics Society Midyear Symposium, Jan. 29-31, Los Angeles.

N. A. Cordova (4231), "Your Future in Electronics"; Emma Hollingsworth (3126), "Secretarial Training and Responsibilities"; and D. R. Morrison (1713), "Mathematics," Menaul High School, Albuquerque, Jan. 10.

Annual Meeting of Sandia Credit Union Scheduled Jan. 23

Annual meeting of the Sandia Laboratory Federal Credit Union will be held at 5:30 p.m. Thursday, Jan. 23, in the ballroom of the Coronado Club.

Business to be conducted includes election of three members to the board of directors and one member to the credit committee. A discussion of credit union business will be held and questions from the floor will be received and answered.

Congratulations

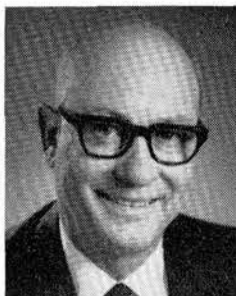
Mr. and Mrs. Ken Miller (3463), a daughter, Misha Rey, Dec. 17.

Mr. and Mrs. Laudente Gallegos (4574), a daughter, Robin Lynne, Dec. 25.

Mr. and Mrs. Larry Ebinger (9124), a daughter, Tori Louise, Jan. 7.

Service Awards

20 Years



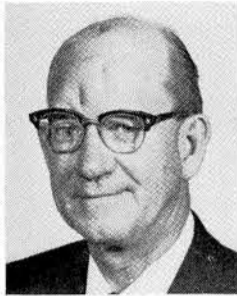
James Brock
8253



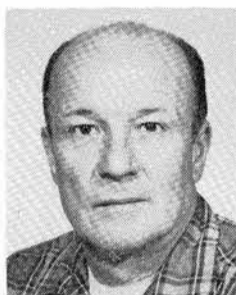
Rex Elder
2321



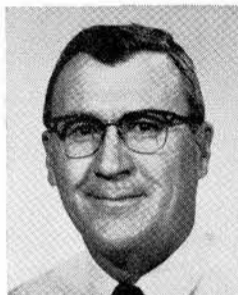
Edward Fisher
7217



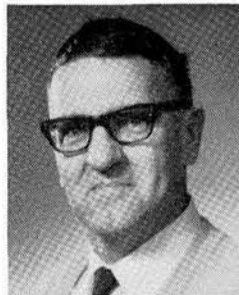
Allan Gruer
7430



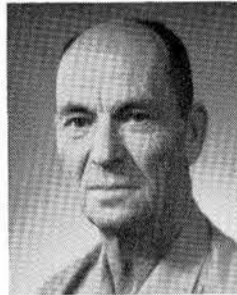
Jack McCollum
4213



Glenn Morehouse
7332



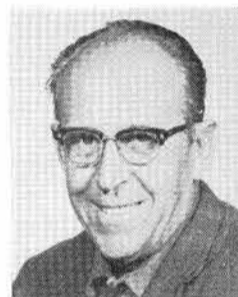
Edward Newman
7217



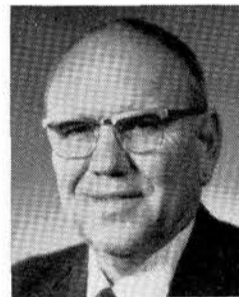
Orbra Phelps
7215



Marcella Samuelson
4623



Travis Sanders
4213



Brad Shaw
4641



Lloyd Spahr
7651

15 Years



Pat Quigley
5434



Ferne Saylor
8253

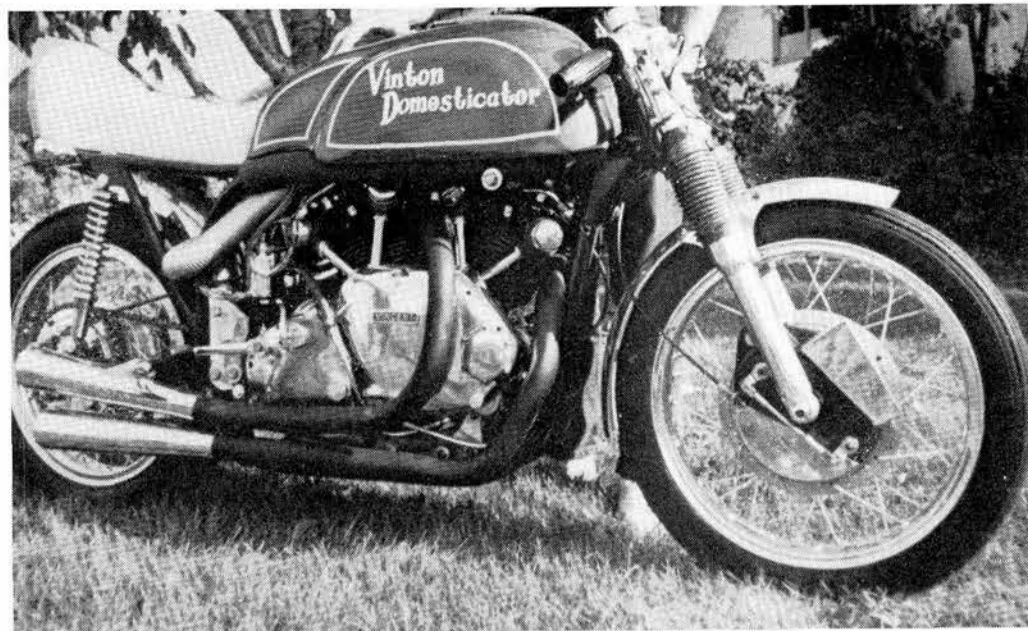
10 Years

Jan. 17-30

Joseph Stiegler 7212, John Patrick 7335, Frank Petrini 8223, Paul Coronado 8311, Sylvester Grisby 8125, Donald Peterson 1711, Lina Chavez 3462, Henry Schoeppe 8168, Royce Bewley 4252, John Newton 4253, and Joan Gillon 2500.

Only Dragons Should Smoke

Men smoking as few as 1-9 cigarettes a day had death rates considerably higher than those for men who had never smoked regularly, according to a recent large-scale population study, the American Heart Association reports. Men who had stopped smoking 10 years before enrollment in the study had the same death rate as men who had never smoked.



RECORD-SETTING MOTORCYCLE, the product of two year's work by Phil Watterberg (5431), features a rebored Vincent motor (from 1000cc to 1150cc) and a modified Norton racing frame — hence the name "Vinton." Phil rode the bike to a record 124 mph at Bonneville Salt Flats. Below is a closeup of Phil on his "dirt" bike, one of four machines that he owns.

Phil Watterberg Sets Motorcycle Speed Record

Phil Watterberg, a laboratory assistant in Metallurgy Division 5431, drove his first motorcycle when he was 12 years old.

Nowadays he is still driving motorcycles but he does it at the Bonneville Salt Flats and sets national records. In October, Phil drove his "Vinton Domesticator" at 124 mph to set the record in Class AA-1200-Gas. Translated, this means the no limits category in frame and motor design.

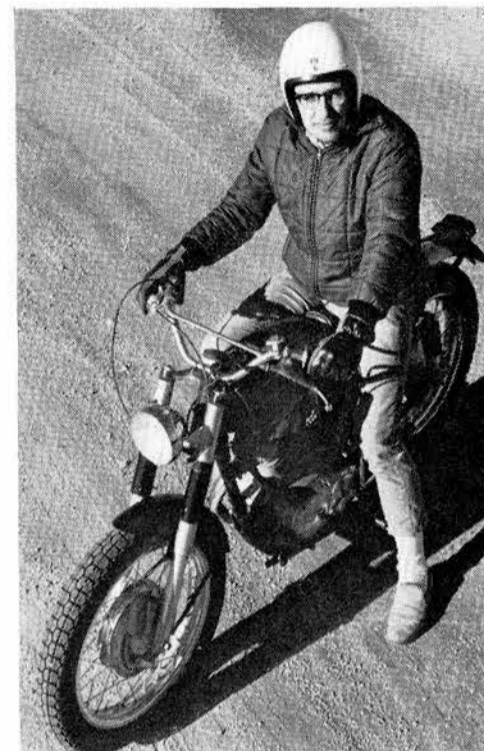
Phil would almost rather to build motorcycles than to drive them. He spent more than two years working on his record-setting machine. Basically, the motorcycle is a highly-modified Vincent engine mounted on a Norton racing frame. He bored a standard 1000cc Vincent motor to 1150cc, added faster cams, and modified the bearings for extended performance at high rpm.

The Bonneville record meet, sponsored by the American Motorcycle Association and the Southern California Timing Association, required a qualifying run for competitors and then a run for record one day after qualifying. Phil hit 125 mph to qualify, but bad luck plagued him the next day.

It had rained and the salt was wet and sloppy. He spent several hours masking off the magneto with tape but still the system wasn't functioning to his satisfaction — the motor would sputter in fourth gear.

As a result, he made the record run in third gear. Later, the clutch broke and he was unable to make a second try for a faster record. Phil believes the "Vinton Domesticator" is a 150 mph machine. If he doesn't sell it before next October, he will try again at the next meet for another record.

Phil is constantly buying, rebuilding, modifying, and selling motorcycles.



One of his achievements was mating a Judson supercharger, designed for Volkswagens, to a Norton motorcycle. This conversion was the subject of an article in CYCLE magazine and a full color picture of the bike was used on the cover.

Phil currently owns four bikes — one for the road, one for dirt, one to drive to work, and the record-setting machine now undergoing additional work.

Are motorcycles dangerous? "Not when driven sensibly — that is, defensively, especially in traffic," Phil says. "It's like the saying about flying — 'There are old flyers and bold flyers, but there are no old, bold flyers.' Substitute 'cyclists' for 'flyers' and that's the situation."

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CLASSIFIED ADVERTISING

Deadline: Friday noon prior to week of publication unless changed by holiday. A maximum of 125 ads will be accepted for each issue.

RULES

1. Limit: 20 words
2. One ad per issue per person
3. Must be submitted in writing
4. Use home telephone numbers
5. For Sandia Corporation and AEC employees only
6. No commercial ads, please
7. Include name and organization
8. Housing listed here for rent or sale is available for occupancy without regard to race, creed, color, or national origin.

FOR SALE

REAL ESTATE

- 4-BDR. HOUSE, 1 3/4 baths, 27' paneled den, fp, DR, dbl. garage, covered patio, near shopping, Manzano H.S., Sierra Grande, \$27,500. Boers, 298-9858.
- 4-BDR., den & fp, 1900 sq. ft., carpeted, landscaped, 2120 Vermont. DeMattos.
- VALLEY HOME, 2/3 acre, detached study, irrigation, 70 trees, garden, horse pasture, gas kiln, close to thruway. Frauenglass, 345-0119.
- 3-BDR., den w/ fp, L&D, 2 baths, carpets, custom drapes, dbl. garage, landscaped, 5/4. Sumlin, 299-6137.
- NE HEIGHTS, 3-bdr., 1 3/4 baths, dbl. garage, enclosed breezeway, carpets, drapes, \$16,500 includes closing. Bodine, 296-3620.
- MOSSMAN, 3-bdr., den, 1 3/4 baths, dbl. garage, 1480 sq. ft., assume 4 1/2% loan, large down, \$103/mo., 2804 Dakota NE. LeRoy, 255-3784.
- LARGE residential lot in Loma Del Rey Addition, just north of La Sala Grande. Bischoff, 298-1994.
- UNDEVELOPED LAND: 1/2 to 40 acres, Abiqui Dam area, borders Carson National Forest. Schuster, 255-9833.
- 3-BDR. w/all the following new: roof, AC, paint, hot water heater, carpet, kitchen sink & counter tops; stone fp w/matching planter, enclosed patio, 4 1/2% loan, near Winrock. Noel, 298-2142.
- HOUSE, 4-bdr., low down payment, 1 3/4 bath, chain link fence, NE Heights. Samuelson, 298-3637.

CARS AND TRUCKS

- '65 CORVAIR MONZA, 4-spd. trans., R&H. Ferguson, 299-1501 after 5.
- '64 CORVAIR SPYDER, supercharger, 150HP, 4-spd. trans., R&H, w/w, 33,000 miles, \$795. Stark, 299-5953.
- '67 MUSTANG, sell or take over payments. Tye, 296-2757.
- '63 FORD GALAXIE convertible, low mileage, new top 1 yr. old, extra tires & wheels, \$1050 or make offer. Roelle, 243-5439 after 2.
- '63 CHEVROLET, Bel Air, 4-dr., AC. Turner, 344-7082 after 5.
- '64 TRIUMPH Spitfire, 42,700 miles, motor re-conditioned at 37,000 miles, front disc brakes, new convertible top, \$685. Schmierer, 299-2352.
- '60 VW station wagon, original owner, 42,000 miles, \$350. Oberst, 299-1224.
- '62 FORD 1/2-ton pickup, V8 engine, 4-spd. trans., limited slip differential, 6.50x16 tires, heavy duty bumper. Causey, 299-0089.
- '59 PLYMOUTH station wagon, 6 w/OD, \$150. Fitzgerald, 298-8851 after 5:30.
- '67 FORD 3/4-ton pickup w/self-contained camper, snow tires, low mileage, original owner, \$4000. Smith, 299-7506 after 5:30.
- '59 PLYMOUTH 4-dr., new engine, \$250 cash. 154 Chama NE after 5 or weekends. Gallegos.
- '63 MONZA Corvair, wire wheel covers, 4-spd., bucket seats, R&H, maroon w/black interior. Hopper, 1011 Marron Cir. NE, Apt. R, 296-6719.
- '28 BUICK, Mod. 28/27, runs, current N.M. license w/'69 tag, plus fully disassembled parts car, same model, 3 engines w/transmissions, \$400. Cooper, 298-1568.
- '61 AUSTIN-HEALY, removable hard top, rebuilt transmission and clutch, new upholstery, \$950. Reynolds, 299-7267.
- '51 FORD truck, 1/2-ton, 3-spd., \$135. Stone, 256-0905 after 5.
- '51 OLDS 98, 4-dr., R&H, AT, trailer hitch, electric windshield wiper motor, \$100. Mantel, 299-8658.
- '49 PONTIAC, 35,000 original miles, R&H, new brakes, generator, \$160. Garcia, 242-1182.
- '57 FORD 2-dr. wagon, body very rough, \$75. Driver, 299-2063.

MISCELLANEOUS

- FENDER Bandmaster amplifier w/two 15" bass Jensen speakers, \$250. Rex, 299-6264 after 3.
- SKIS, Head Masters, 200 CM (6'7"), \$55. Shummy, 265-1155.
- SKI BOOTS, 7 1/2, Humanic Dynafit, \$22.50. McKnight, 282-3377.
- SCHWINN VARSITY 10-spd., \$45. Freedman, 298-2177.
- RIFLE, Remington .22 pump; shotgun, 16 ga. Stevens', trade for old hunting knives or daggers. Smitha, 299-1096.
- 6-WEEK Miniature Schnauzers w/papers. Beeson, 298-3720 or 268-7004.
- FREE TO GOOD HOME, 10 mos. old male lg. German/Belgium Sheppard dog, black & tan w/black saddle, has all shots, needs lots of space. Price, 265-2327.
- 266 POWER TASCOS telescope w/all accessories, \$55 or will trade for C. B. base station. Earhart, 265-2615.
- GUITARS: 12-string Mosrite, \$275; 6-string Fender, \$230, hardly used. Roth, 299-5033.
- SLIDE PROJECTOR, Revere w/26 slide trays, \$35. Denney, 268-0004.
- BABY furniture: bed, mattress, stroller, portacrib, etc. Fisher, 299-9235.
- PIANO, Baldwin Acrosonic console, dark mahogany, \$800. Krahling, 268-8126.
- STEREO TAPE RECORDER, Voice of Music, great sound monitor, pause, mikes, speed adjust, \$175. Burns, 299-8548 after 5.
- CHILD'S formica & wrought iron table & chairs; 20" convertible bike. Bowen, 255-8195.
- PRINTING equipment: multi-lith press, Davidson, camera, drill, collator, paper cutter. Geilenfeldt, 255-6783.
- DOUBLE BED w/mattress, \$25; studio couch, \$10; two end tables, \$10. Husa, 298-3335 after 5:30.
- '65 PRINCESS MOBILE HOME, 2-bdr., 1 1/2 baths, storm windows, carpeted, front kitchen. Surran, 344-6206 after 5:30.
- FULL SET encyclopedias, \$10; desk, \$5; 7' table & 4 chairs, \$10; twin bed & frame, \$10. Thayer, 299-3127 after 8.
- QH MARES, 4, 5, & 6 yr., permanent registered, Shreve, 898-0298.
- WARD'S boat trailer wheels & tires, 5.70/5.00 — 8, 5 hole, mounted wheel & tire, \$10; wheel only, \$3. Ledman, 268-2920.

- CHERRY TABLE chairs: rattan furniture; console TV; wing back chair; bar stools, w/wooden teacart, 35mm projector. Marmon, 298-0238.
- BOY'S bicycles, 20", 24" & 26" sizes. Patterson, 243-6219 after 5:30.
- 15 CU. FT., 1951 chest freezer, \$20. Syroid, 299-8256.
- GERMAN SHEPHERD puppies, 2 females, AKC reg., black & tan, \$25. Oakes, 898-0236.
- FIVE-YEAR-OLD sorrel reg. quarter mare, good pleasure horse, good health, all shots. Eiffert, 898-0324.
- 1-WHEEL utility trailer, wooden box w/hitch, spare tire & tube, \$35. Roberts, 255-9527.
- MAGNAVOX stereo-radio comb. (1967), 2 12" bass woofers, 20 watt, Italian provincial walnut. Martinez, 242-5957.
- 8 X 45 Nashua trailer, 2bdr., tub & shower, oil heat, AC, carpeted, available Feb. 1, \$1095. Kresge, 265-2434.
- ENGLISH racing bicycle, ladies, adult size, cost \$65, take \$25. Roberson, 299-0130, weekends 242-7351.
- ELECTRIC RANGE, 2 ovens, clock, timer, etc., \$42.50; vent hood w/fan & light, \$12.50; both for \$50. Wade, 299-2050.
- LEATHER COAT, ladies handmade custom design, silver gray w/large fur collar, \$50. Love, 299-0956.
- FLYING CLUB MEMBERSHIP, Cessna 172, full panel, two omnis, wives, student pilots allowed, liberal rules, minimum cost. Cyrus, 344-9538.
- CRAFTSMAN bandsaw on stand w/casters, 1/3 hp, double end shaft, used very little, \$85. Trodden, 268-2273.
- 1 PR. SKI BOOTS, 9 1/2 narrow, \$14. Claassen, 255-4347.
- 400W CLASS C RF ampl. w/pwr. supply, \$50; Heathkit DX-20 xmttr, \$20; B&W TV; oscilloscope; & misc. electronics. Cave, 299-5066.
- 5-PIECE dinette set, \$15. Hall, 298-8617.
- METAL tool shed or storage bldg., 5'x6', already assembled, \$40. O'Neill, 255-6355.
- MAGNAVOX HI-FI components, AM-FM tuner, record changer, amplifier, 2 bass spkrs., 1 tweeter, all matching set, the works, \$35. Doggett, 299-7957.
- CHILD'S battery driven play car, \$33; ping pong table, \$4", \$25. Driver, 299-2063.
- AKC miniature Schnauzer pups, 6 wks. old, \$125. Jones, 298-3891.

ALMOST NEW Frigidaire, 30" Flair electric range, \$400 new — \$225; 12 cu. ft. Frigidaire refrigerator, \$75. Hale, 298-1545.

WANTED

- PERSON to sub-let NE house with me, near base, nice location, rent \$100/mo., utilities & phone extra. Voorhies, 296-6434 after 6.
- TRAILER chassis for building 8' x 13' camp trailer. Earhart, 265-2615.
- GOOD, late model used cab-over camper, prefer one which sleeps six. Doolahan, 264-8690.
- NATURAL GAS space heater w/fan, 50-100,000 BTU, used. Roberts, 255-9527.
- PICKUP CAMPER for 3/4-ton truck, adaptable to sleep six. Stixrud, 298-0478.
- WOMEN'S double ski boots, size 7 1/2-8; will also consider skis and/or poles. Erdman, 298-3097.
- GROVES Dynastress hunting bow, 58 or 60 inches, approx. 45-pound pull. Wilson, 282-3225.
- SMALL VACUUM FOREPUMP. Coril, 255-5683.
- HOME for elderly lady in NE Heights, preferably in vicinity of San Mateo & Montgomery. Flower, 298-0632 after 6.
- USED CRASH HELMET, medium size. Barton, 255-5491.
- METAL SKIS, 180 to 200 c.m. Keeling, 255-2943 after 5:30.
- AUTO, low mileage, recent model 4-dr. sedan, air, power steering & brakes, AT. Busby, 299-6450.
- RIDE from Sandia Park to and from Corp., will share costs, have Jeep for bad weather. Farnum, 282-3416.
- USED 4-wheel-drive vehicle in good mechanical condition. Miller, 282-3189 after 6.

LOST AND FOUND

- LOST—See-thru change purse, ladies yellow gold & Jade ring, man's brown leather glove, 10-12 keys on ring, Polaroid sun glasses, man's gray fur hat, single tooth dental bridge, man's brown leather glove, Rx sunglasses, gold earring w/ green stones, leather key case w/6 keys initialed JND. LOST AND FOUND, tel. 264-2757, Bldg. 610.
- FOUND—Yellow-Bole pipe cleaner, 2 keys on chain, man's sheepskin lined black glove, men's polaroid sunglasses, earring w/3 gold hoops. LOST AND FOUND, tel. 264-2757, Bldg. 610.

Coronado Club Activities

Casino Night Manana at Club

Casino night manana at the Coronado Club is designed to be easy on the pocket-book. You'll trade your \$1 admission for a bundle of play money to squander on the various games of chance. Big winners will receive real prizes. The casino opens at 8 p.m.

Elton Travis and the Westernaires will play for dancing from 9 to 1 a.m. Coronado Club super sandwiches will be available.

Gordon Moe (1812), Club president, has promised that the play money will be under "tight control" and that "very good prizes" will be awarded by "honest zealots."

Special Entertainment

The Shadows, a modern entertainment group from the West Coast, will present a special show during social hour Friday, Jan. 31. The Shadows perform in the swinging-singing-and-dancing style of the Young Americans. The group includes three mini-skirted young ladies and five male performers who have been breaking records in recent appearances.

Social hour dancing has been expanded for that evening to run from 6 to 9 p.m. The Mexican buffet will be wheeled out by the Club's kitchen staff. A \$1 admission fee will be charged for members, \$2 for guests for this special event.

The following day, Saturday, Feb. 1, The Shadows will present a teen concert at the Club from 2 to 3 p.m. and perform again for adults that evening from 9 to 1 a.m. Dinner will be served from 7 to 8:30 p.m.

Volleyball Teams Organizing

The Sandia Laboratories Volleyball League is now organizing teams. League pusher Bill Swartz (9425) says that volleyball gives everyone a chance to exercise as well as the opportunity to participate in an exciting intermural sport. He particularly invites new employees to join the program.

For additional information contact Bill at tel. 264-3271 or O. J. Foster (3126), Sandia recreation representative, tel. 264-7775.

Sandia Safety Signals

About that
excuse for not
wearing your
safety belts:
It isn't
good enough.

What's **your** excuse?

Carbon Monoxide Poisoning

Carbon monoxide, an odorless, colorless gas capable of producing unconsciousness or death when it is present in even small amounts, is one of the lethal dangers of winter driving.

The first sign that you may be breathing carbon monoxide from your car's exhaust system is drowsiness. If you become drowsy, get out of the car and breath fresh air. Keep a window partially open for ventilation.

If you start your car in the garage, be sure the door is open. If your car is left running while parked, leave a window partially open.

Most importantly, if your car has a faulty muffler, manifold or leaky exhaust, have them replaced immediately.

Social Hours

Tonight, the seafood buffet will be served while Phil Graham and crew make the happy music. The Club is back on its Friday social hour schedule and the TGIF crowd is celebrating. The buffet costs \$1.25 for adults, \$1 for kids.

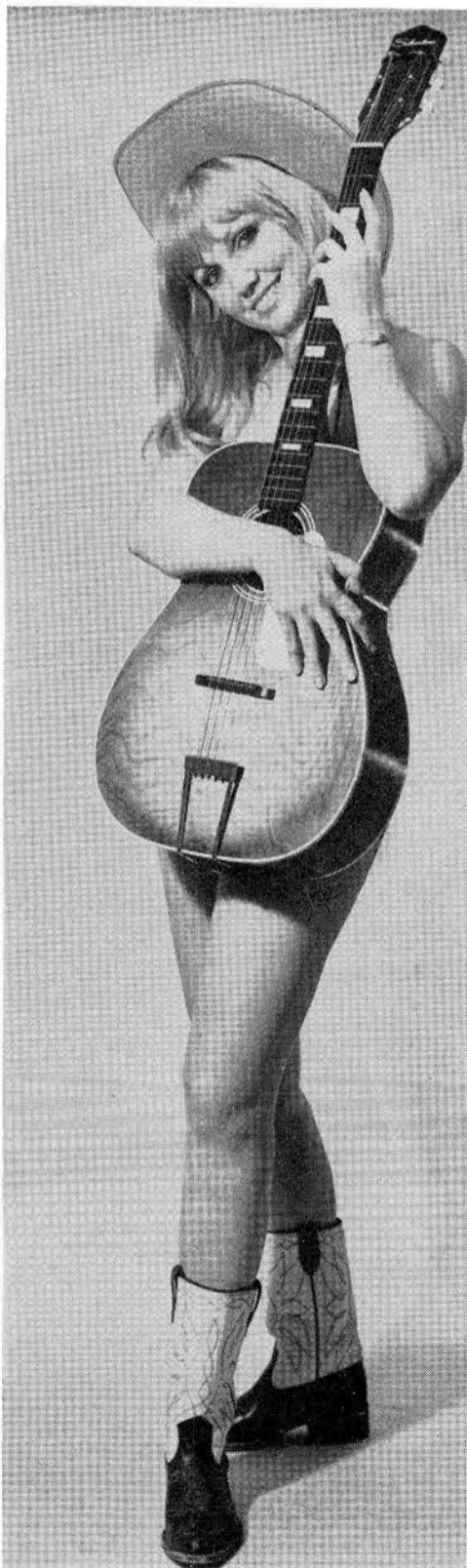
On Friday, Jan. 24, the Club's famous chuckwagon roast beef will be the buffet feature while the Rhythm Masters hold the bandstand. The buffet will cost \$1.75 for members, \$1.25 for children.

Firearms Safety Course

Gerald Wilson (7333) will conduct another firearms safety course at the Club starting Monday, Feb. 3. Last fall, Gerald conducted a similar course for families and about 50 persons attended.

This one is designed for hunters and will include one outdoor shoot. Gerald will stress safety aspects of storing weapons, carrying guns to and from the field, and safety in various hunting situations. The course is open to all Sandia employees and dependents age 12 or older.

The class will meet from 7 to 9 p.m. for five Mondays. It is sponsored by the New Mexico Game and Fish Department, and members of the New Mexico Wildlife and Conservation Association serve as instructors. Gerald is president of the Albuquerque Chapter of the Wildlife group.



WESTERN MUSIC, a favorite of Sandia employees like Claudia Garlick (2121), will be a big part of Casino Night tomorrow at the Coronado Club. The games of chance with play money for real prizes start at 8 p.m. The Westernaires will play for dancing from 9 to 1 a.m.



BOB BURGESS (2313) displays a selection of his arts and crafts. Bob paints, sculpts, makes jewelry, builds furniture and decorates homes. Abstract oil painting in background is his most recent painting. Note variety of jewelry on couch.

Creation: The Name of the Game

Bob Burgess Pursues Many-Faceted Interest in Arts and Crafts

Bob Burgess, an explosives technician in Electro-Explosives Division (2313), has a much quieter avocation. He pursues a many-faceted interest in arts and crafts.

Bob creates jewelry, sculpts, paints, builds furniture and lamps, and works in clay, ceramics and mosaics. He is a kind of artistic jack-of-all-trades whose work has gathered 26 top awards in State Fairs, museum competitions and art contests.

He has never taken a formal course in art but once learned the mechanics of silver soldering in a crafts class. A self-taught artist, Bob painted his first picture at the age of 10.

Bob's apartment is a showcase for his work and reflects another interest—interior decorating. He has had commissions to decorate a number of homes.

Abstract paintings hang on his walls. Water colors and oils and some handsome pieces in Venetian glass mosaic add to the decor. Metal sculpture rests on end tables and special light fixtures hang from the ceilings.

Jewelry making is his continuing activity. Bob works in silver, gold, brass, copper and aluminum, using mounted stones, overlays and inlays in these mediums. Each piece is an experiment and he never repeats a design. He is continually combining techniques and striving for new effects.

Many times he is asked to execute a particular design. Custom jewelry work takes a large portion of his spare time. The Peddler's Cart is his sales outlet.

"No matter what it is—necklace, bracelet, tie tack, earrings—I try to make it as

best I can," Bob says. "I gain satisfaction by learning and by creating something useful or something that people will be proud to wear."

When he isn't making jewelry or painting or sculpting or designing interiors, Bob writes songs and arranges music.

Sandia Women's Club Give College Scholarships

Attention all future college students! If you plan to enter college as a freshman or sophomore in the '69-'70 school year, you may qualify for scholarship assistance being offered by the Sandia Women's Club.

The Club is offering four scholarships, each in the amount of \$210 for two semesters. Those eligible are as follows: (1) dependents of active or retired military personnel; (2) employees or dependents of employees of Sandia Laboratories; and (3) AEC and Sandia Base civil service employees or their dependents. Entering freshmen and sophomores will be selected on the basis of financial need, scholastic ability, faculty recommendations, and the student's acceptance by an accredited university, college, or junior college.

Interested candidates may obtain application forms at the Sandia Branch of the Bank of New Mexico, or by writing to Mrs. J. W. Straight, 1606 16th Loop, Sandia Base, N.M., 87116.

Completed applications should be sent to Mrs. Straight and must be received on or before April 1, 1969.



SNOW JOB — Unusually early December snowfall whitens lawn and trees in front of Bldg. 800. Few inches caused wet feet in flatlands, joy on ski slopes of Sandias.